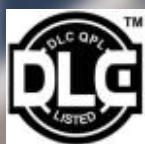


Next Gen UV Multipurpose Led



SV-400

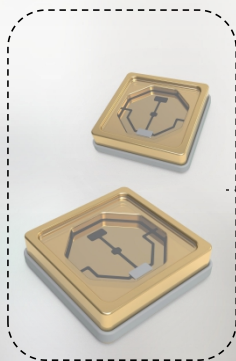
Parameters



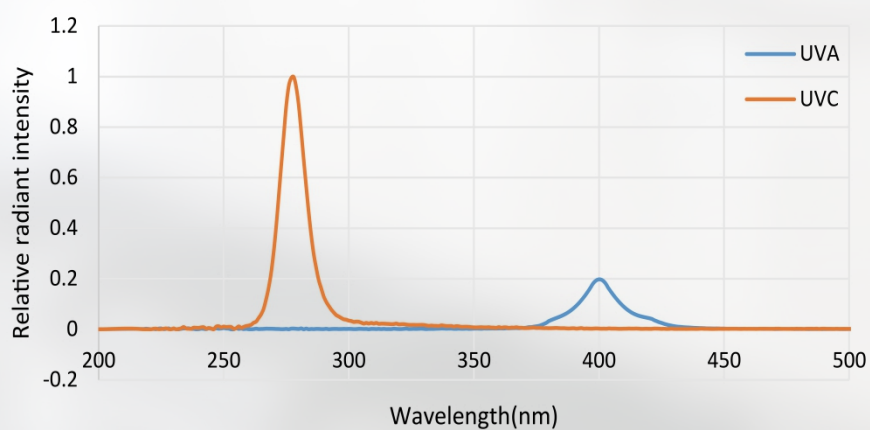
WATTAGE	100/150/200/240W
DRIVER	MEANWELL
LAMP EFFICIENCY	150LM/W \pm 5%
LIGHT SOURCE	LUMILEDS
CRI	Ra>70/80
CCT	2700-6500K
RATED VOLTAGE	AC 100-240V 277V~, 50/60Hz
POWER FACTOR	>0.95
BEAM ANGLE	60°/120°
HEAT SINK	ALUMINIUM COOLING FIN ALUMINIUM RIVET
OPERATING TEMP	-40°C~60°C

Purification Module

WATTAGE	10/15W
RATED VOLTAGE	AC 100-240V 277V~, 50/60Hz

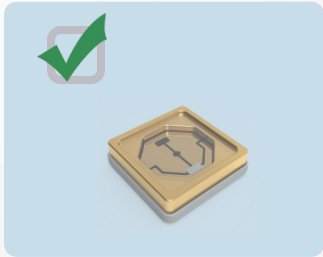


Spectrum



Ultraviolet C

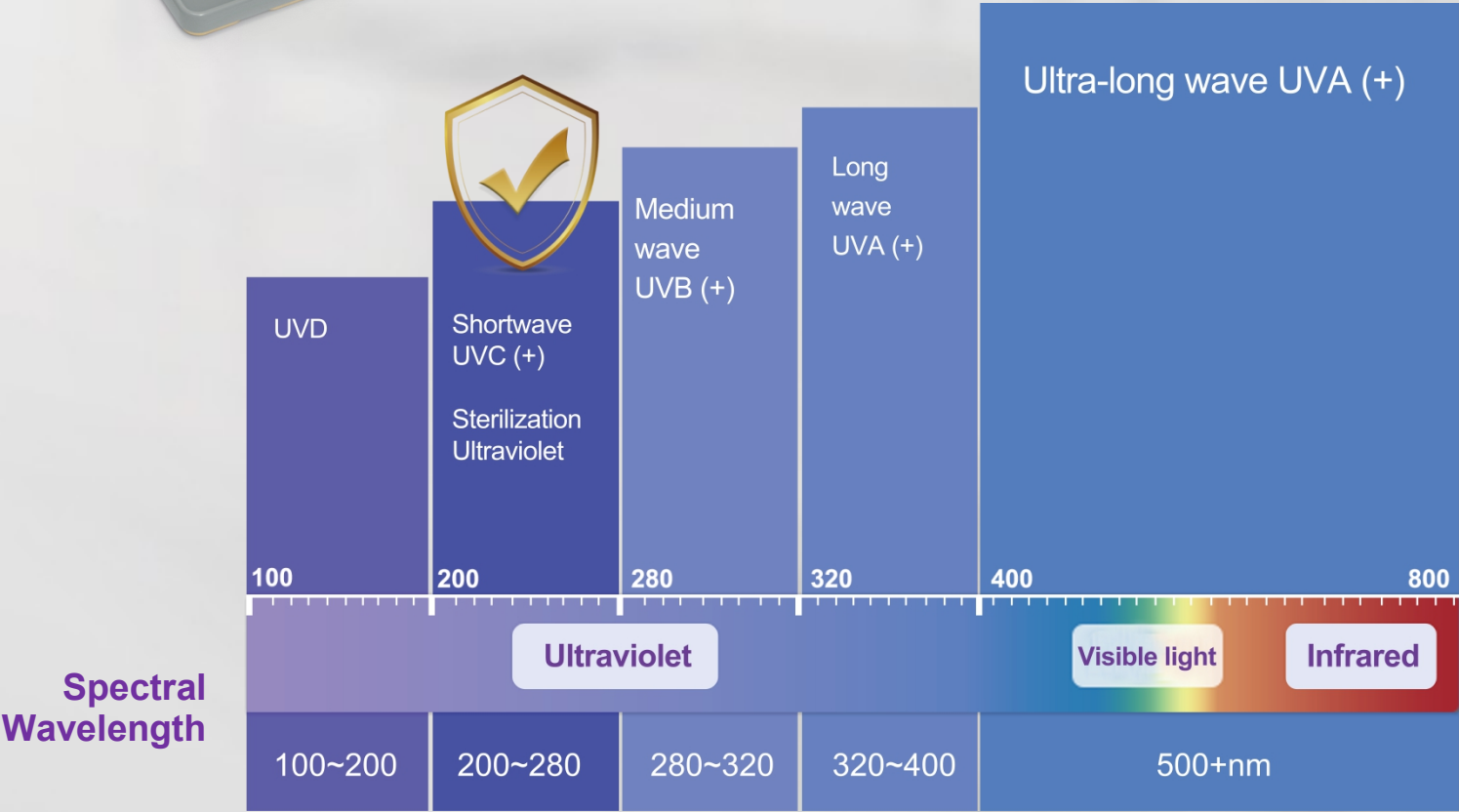
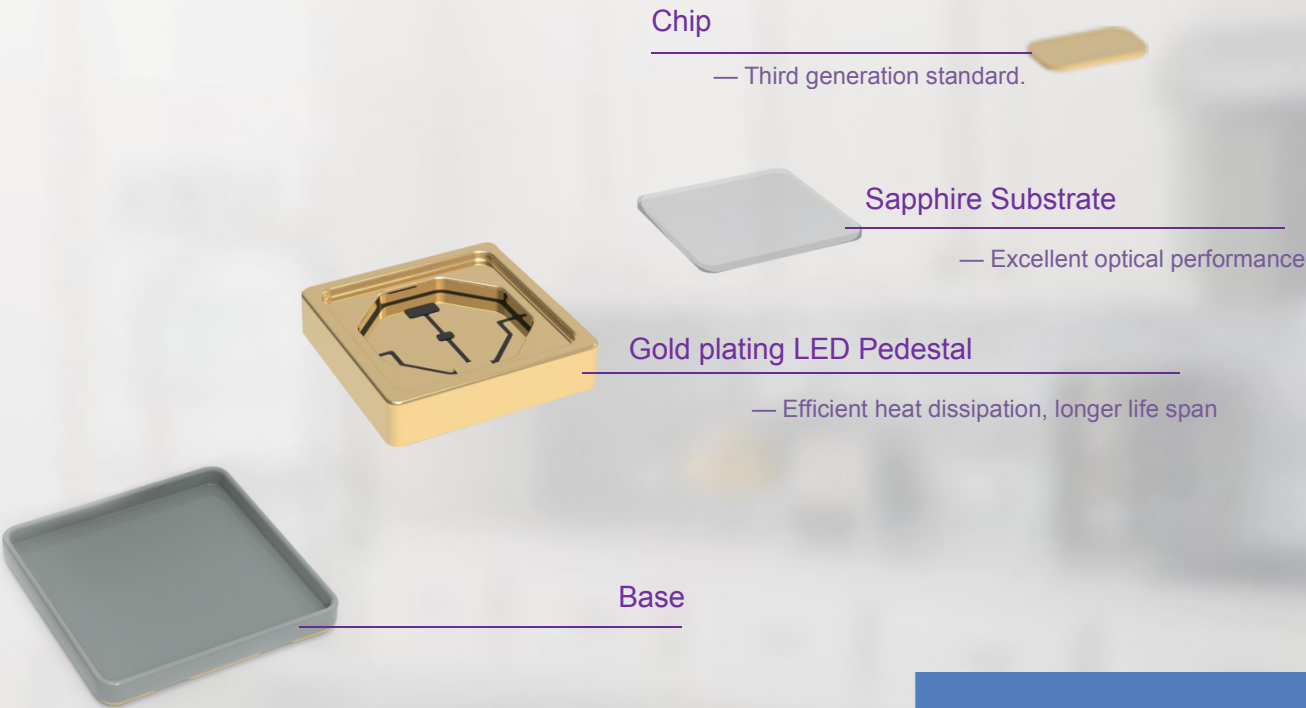
'The Truly Effective Purification Wavelength'



200-280nm. The non visible precision UVC chip used in this product.



390-400nm. The purple visible UVA chip used in imitation pseudo products with no purification properties.





UVC

*The spectrum wavelength of the SV-400 lamp purification module.
An instant, invisible, effective bacteria exterminator.*



UVA and UVB

*The lower spectrum wavelength of regular UV light.
Not adequate or capable for bacilli eradication.*

HOW UVC WORKS?

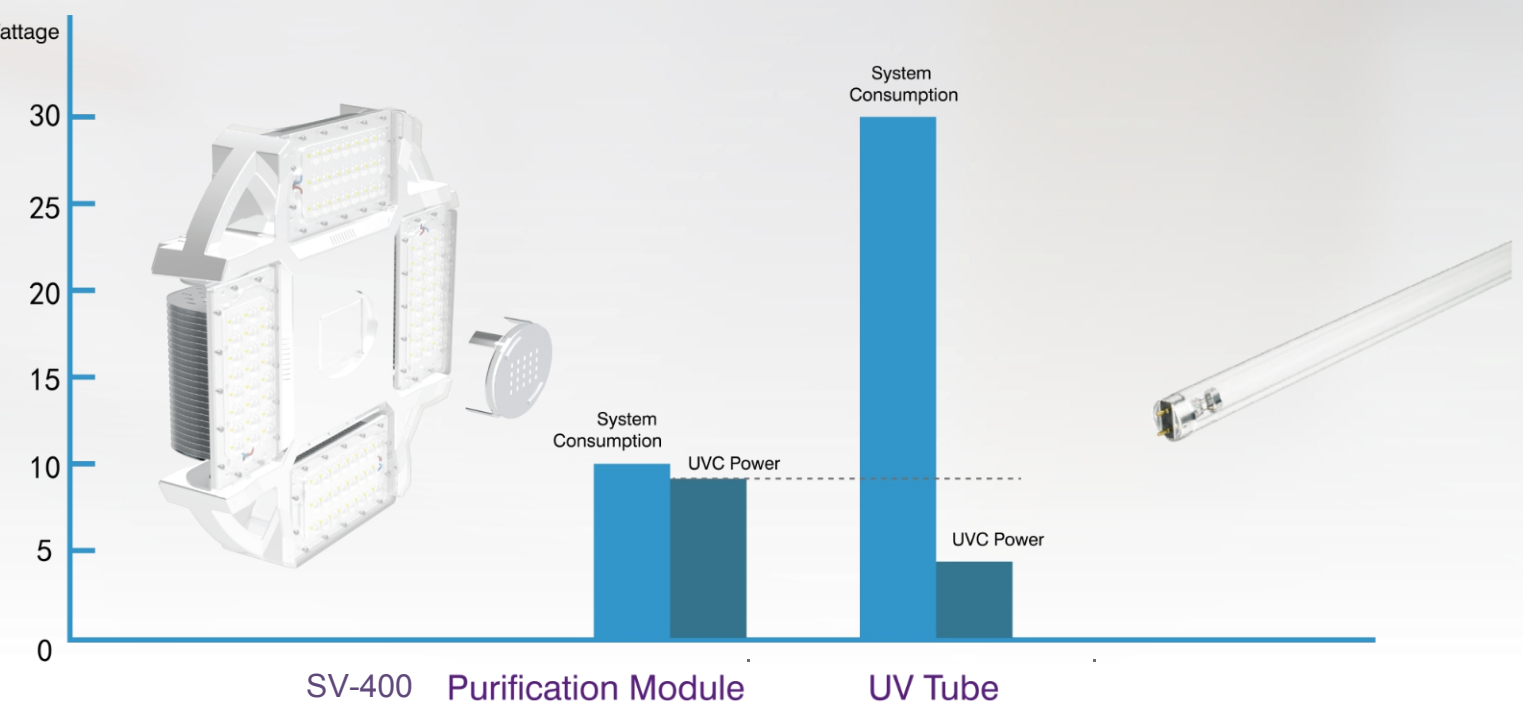
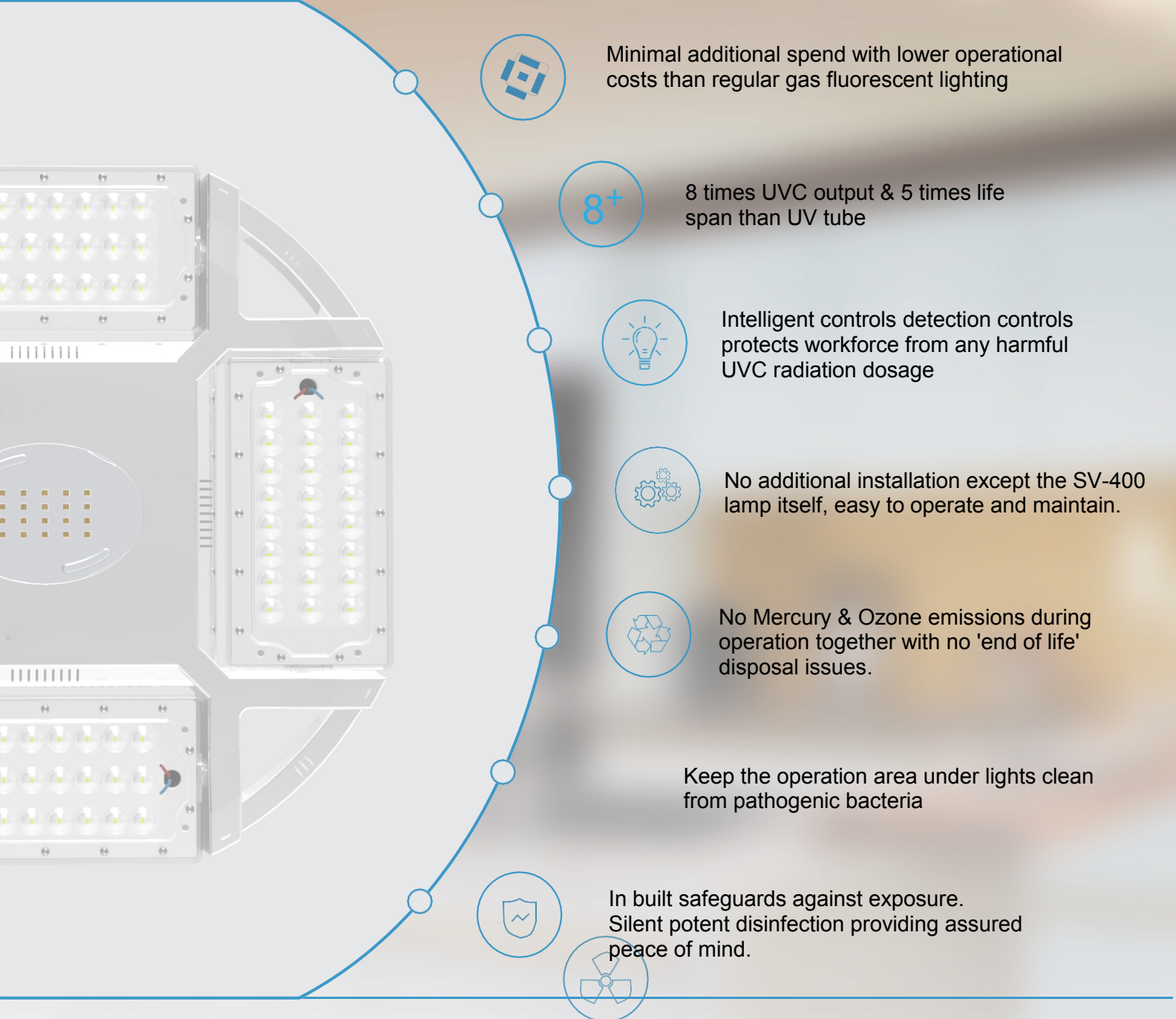
Ultra-Violet (UV) light is invisible to human eyes. It can be subdivided into three categories: UVA, UVB and UVC. UV-A from 315 to 400 nm UV-B from 280 to 315 nm UV-C from 200 to 280 nm.

UVC radiation is known to break the DNA of bacteria, viruses and spores. As a result, they are rendered harmless.

UV radiation can be used for multiple purposes in water and air treatment, but is primarily employed as a disinfection process that inactivates micro-organisms without chemicals. For other applications, UV is used for the removal of organic and inorganic chemicals, including chlorine, chloramines, ozone and Total Organic Carbon (TOC) emerging contaminants.

UVC radiation has been proven to be effective against waterborne pathogenic microorganisms including those responsible for cholera, hepatitis, polio, typhoid, giardia, cryptosporidium and many other bacterial, viral and parasitic diseases.

UVC disinfection is complementary to Chlorine disinfection: it deactivates organisms that are resistant to Chlorine such as giardia and cryptosporidium.





Silent Guardian

In addition to all your lighting needs, the purification module continuously exterminates airborne bacteria.

Application



Warehouse



Stadium



Hospital



Factory



Supermarket



Station

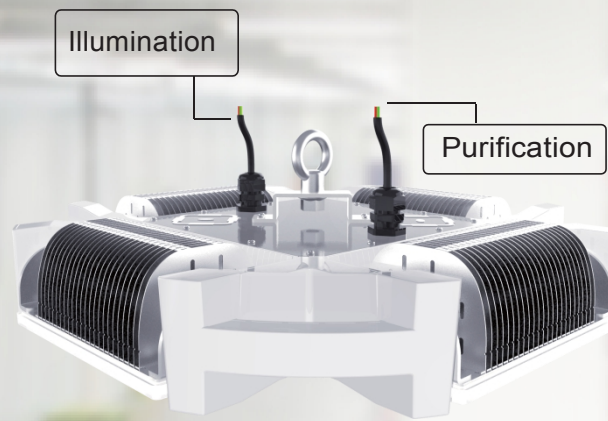


Airport



Laundry

Dual power line separate

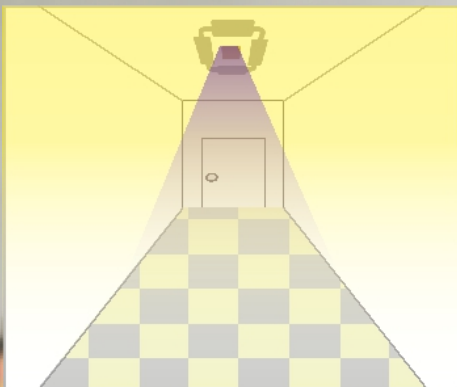


OPTION 1 - Manual Control

Wiring the purification module line with an individual input , either manually or remotely by BMS to turn on when disinfection is required.

* Purification module must not be used if personnel are present.

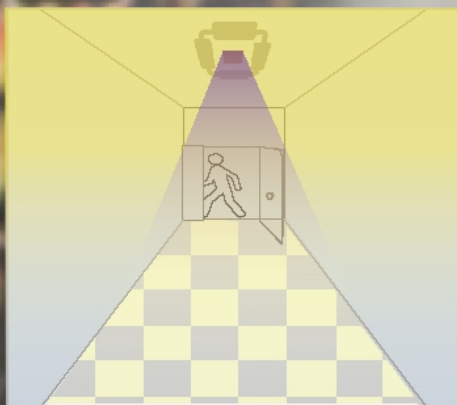
OPTION 2 - Intelligent control



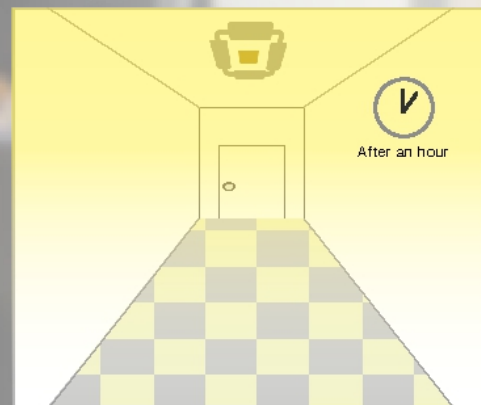
1. The purification module switched on automatically by absence.



2. The purification module switches off automatically when personnel are detected.



3. The purification module switches on automatically when no activity is detected.



4. After 1 hours(Optional), the purification module automatically switches off.